

09/31/912

Docket No. AT9-99-073

ABSTRACT OF THE DISCLOSURE**METHOD AND SYSTEM FOR COUNTING NON-SPECULATIVE EVENTS IN A
SPECULATIVE PROCESSOR**

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A method and system for counting non-speculative events in a speculative processor is provided. The speculative processor contains a number of counters within a performance monitor for counting occurrences of specified events within a data processing system. An event to be monitored is specified. The specified event is monitored during the execution of instructions by the speculative processor. A count of occurrences of the specified event for all instructions executed by the speculative processor is generated, and a count of occurrences of the specified event for instructions completely executed by the speculative processor is generated. A difference between the count of occurrences of the specified event for all instructions and the count of occurrences of the specified event for all completed instructions may be generated as a count of occurrences of the specified event for instructions speculatively executed by the speculative processor.

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